



Inspiring green-energy since 2003

# AE POWERPLUS MONOCRYSTALLINE PV MODULES AE M6-72 Series 340 W-360W

tested by **Fraunhofer**  
CSP

<b>72</b> CELLS	<b>MICRO-CRACK FREE</b>	<b>PID RESISTANT</b>	<b>SALT CORROSION RESISTANT</b>	<b>SAND RESISTANT</b>	<b>AMMONIA RESISTANT</b>	<b>HIGHLY STABLE AND TOUGH</b>
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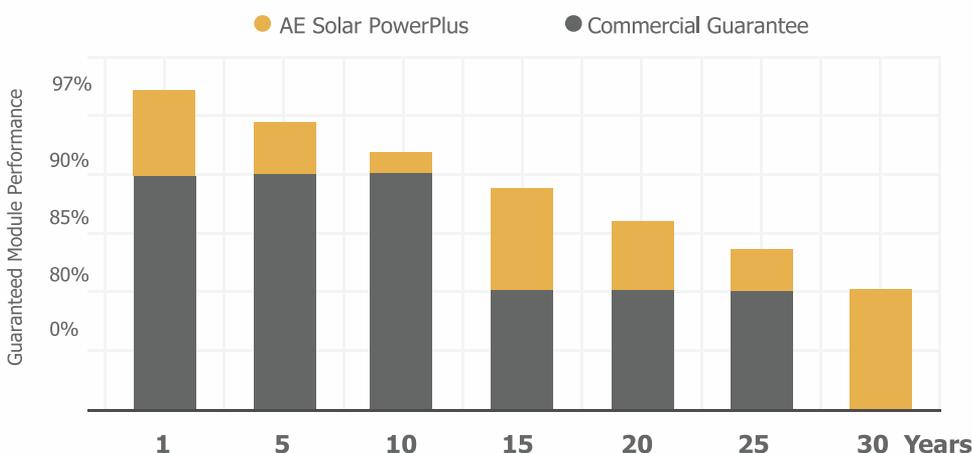
**GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**PLUS-SORTING**  
Higher yield due to plus-sorting from 0 up to +5 Wp guarantees the high system efficiency and yield stability.

**PERFORMANCE GUARANTEE**  
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty.

**CERTIFICATES**  
Lining with international standards, AE Solar Photovoltaic modules are tested and certified under extreme stress conditions and it can bear harsh environment influences.

## OUR PERFORMANCE GUARANTEE



**30**  
years  
Performance Guarantee

**12**  
years  
Product Warranty



Deutsche  
Qualität  
Garantiert

# TECHNICAL DATA

## AE M6-72 Series 340W-360W

### SPECIFICATIONS

		AE340M6-72	AE345M6-72	AE350M6-72	AE355M6-72	AE360M6-72
Nominal Max. Power	P <sub>max</sub> (Wp)	340	345	350	355	360
Maximum power voltage	V <sub>mp</sub> (V)	39.09	39.34	39.46	39.51	39.55
Maximum power current	I <sub>mp</sub> (A)	8.70	8.77	8.87	8.99	9.10
Open-circuit voltage	V <sub>oc</sub> (V)	46.94	47.08	47.149	47.3	47.38
Short-circuit current	I <sub>sc</sub> (A)	9.48	9.51	9.551	9.58	9.62
Module efficiency	(%)	17.52	17.78	18.04	18.30	18.55
Power tolerance	P <sub>max</sub> (Wp)	0 / + 5				
Maximum system voltage DC	(V)	1000				
Maximum series fuse rating	(A)	15				
Operating temperature	(°C)	-40 to +85				
Temp. coefficients of P <sub>max</sub>	(%/°C)	-0.38				
Temp. coefficients of V <sub>oc</sub>	(%/°C)	-0.29				
Temp. coefficients of I <sub>sc</sub>	(%/°C)	0.05				
Nom. Operating cell temp.(NOCT)	(°C)	45±2				

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m<sup>2</sup> with spectrum AM 1.5 and a cell temperature of 25°C.

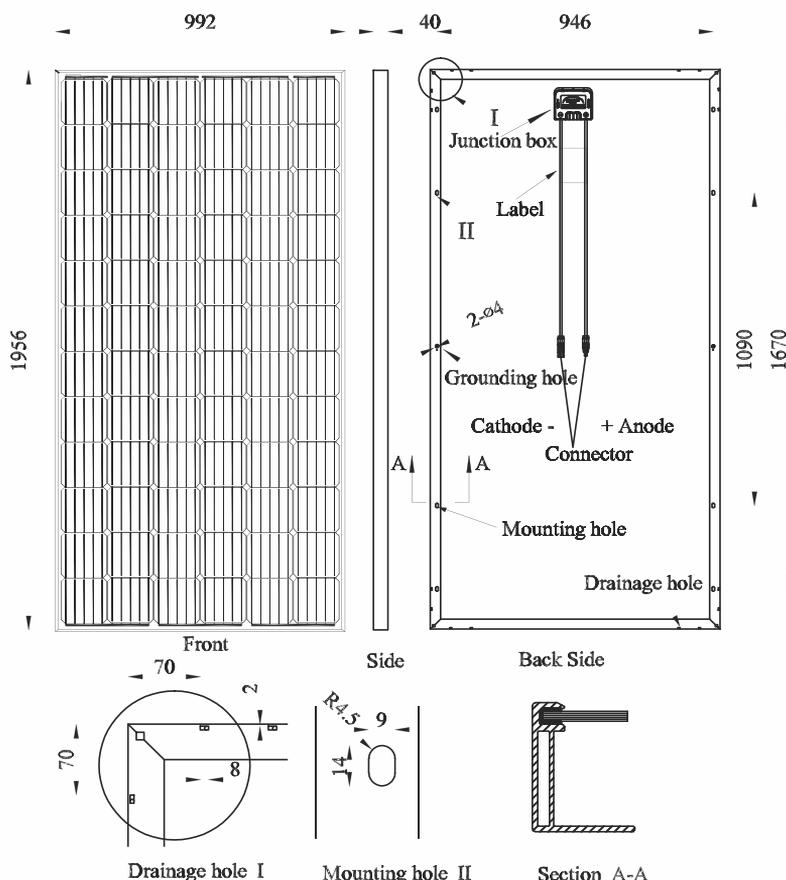
## MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline 156.75mm x 156.75mm
No. of cells	72 (6 x 12)
Dimensions	1956 x 992 x 40mm
Weight	21 kg
Junction box	IP 67 rated
Output cable	1 x 4.0mm <sup>2</sup> , 1200mm length or customised
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 28 mm, at 23 m/s
Wind load	2400 Pa / 244 kg/m <sup>2</sup>
Mechanical load	5400 Pa / 550 kg/m <sup>2</sup>

## PACKAGING INFORMATION

Packing configuration	56 pcs / double pallet
Loading Capacity	672 pcs / 40HQ
Size / pallet (mm)	1990 x 1120 x 2335
Weight	1300 kg / pallet

## DIMENSIONS



## CERTIFICATES



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